

YUNUSOV, A. Yu. --- (continued) Card 2.

1. Konferentsiya fiziologov, biokhimikov i farmakologov Sredney Azii i Kazakhstana. 1st, Tashkent, 1957. 2. Akademiya nauk Uzbekskoy SSR, Tashkent (for Yunusev, Turakulov, Khayrutdinov).
3. Meditsinskiy institut, Tashkent (for Volynskiy, Sadykov, Khashimov).
4. Sredneaziatskiy gosudarstvennyy universitet, Tashkent (for Israel').

(PHYSIOLOGY)

(BIOCHEMISTRY)

(PHARMACOLOGY)

KRYZHENKOV, A.N.; KHARAT'YAN, A.M.; FEYGIN, G.A.

Characteristics of protein hydrolysates used in parenteral nutrition. Vop. pit. 18 no. 6:34-41 N-D '59. (MIRA 14:2)

1. Iz kafedr propedevtiki vnutrennikh bolezney sanitarnogo i pediatricheskogo fakul'tetov (zav. - prof. E.I. Atakhanov) i bolezney ukha, gorla i nosa (zav. - prof. I.Yu. Laskov) Tashkentskogo gosudarstvennogo meditsinskogo instituta.  
(AMINO ACIDS)

KRYZHENKO, V., polkovnik zapasa

Once in the night... Voen.snan. 38 no.12:5 D '62.

(Antonov, Fedor Tikhonovich)

(MIRA 15:12)

KLAUSTING, Ye.A.; LEYKIN, I.M.; SABIYEV, M.P.; IMSHENETSKIY, V.I.;  
CHERNER, M.I.; Prinimali uchastiye: PIKULIN, S.A.;  
KONSTANTINOVA, T.A.; KOVAL', F.Ye.; KRYZHEPOL'SKAYA, S.P.;  
SHUL'GA, Ye.A.; NIKITIN, V.N.; DOROFYEVA, A.N.

From practices of producing 190 steel at the KommunarSKIY  
Metallurgical Plant. Stal' 22 no.2:155-159 F '62. (MIRA 15:2)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy  
metallurgii i KommunarSKIY metallurgicheskiy zavod.  
(KommunarSKIY—Steel alloys—Metallurgy)  
(Rolling—Metalwork))

USSR/Medicine - Neurophysiology

FD-2383

Card 1/2      Pub. 154-14/18

Author : Kryzhev, V. Ya. and Tsinda, N. I.

Title : ~~On disturbances in the function of the visual analyzor during bilateral removal of the occipital lobes of the cerebrum of a dog.~~  
On disturbances in the function of the visual analyzor during bilateral removal of the occipital lobes of the cerebrum of a dog.

Periodical : Zhur. vys. nerv. deyat., 5, 110-123, Jan/Feb 1955

Abstract : Morphological study of remnants of the cerebral cortex in three experimental dogs that were objects of two-sided extirpation of occipital lobes revealed the presence of massive disintegration of visual areas and marked changes in the cellular and fibrous structure of fields of visual cortex of the hemispheres. When a minimum visual cortex area remained, reactions to objective visual stimuli stopped completely, analytico-synthetic functions of the visual analyzor became disturbed, and only one reflex quality (reaction to visual irritation) remained. On the basis of experiments on dogs it is possible to conclude that generalized, totally nondifferentiated (reflex) reaction to visual irritation may, apparently, be effected by exciting the smallest possible area of the cellular elements of the visual cortex, higher analysis, synthesis of visual irritations and their

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inhibition and differentiation are possible only when the entire nucleus of the visual analyzer is present. Three tables and five diagrams. Four Soviet references.

Institution: Brain Institute, Ministry of Health USSR.

Submitted : May 24, 1952

KRYZHEVICH, S.P.

Plug-type device for tapping high-voltage lines. Gor. zhur.  
no.7:75-76 J1 '61. (MIRA 15:2)

1. Glavnyy energetik Kal'makyrskogo rudnika Altyn-Topkanskiego kombinata im. Lenina.  
(Electric power distribution—High tension)

KUZNETSOVA, K.S., nauchn. sotr.; RYBKINA, A.I., nauchn. sotr.  
Prinimal uchastiye KRYZHIN, V.F.

[Centralization of the repair of equipment and labor productivity; using the example of machinery manufacturing] Tsentralizatsiia remont oborudovaniia i proizvoditel'nost' truda; na primere mashinostroeniia. Moskva, Mashinostroyeniye, 1964. 130 p. (MIRA 17:8)

1. Moscow. Nauchno-issledovatel'skiy institut truda.
2. Nauchno-issledovatel'skiy institut truda i zarabotnoy platy (for Kuznetsova, Rybkina).
3. Proyektnyy, tekhnologicheskiy i nauchno-issledovatel'skiy institut Volgo-Vyatskogo sovnarkhoza (for Kryzhin).



L 33006-66 EWT(1)/EWP(9)/EWT(m) WH

ACC NR: AP6014991

(A)

SOURCE CODE: UR/0170/66/010/005/0626/0627

AUTHOR: Krzhizhanovskiy, R. Ye.; Skuratova, I. D.

ORG: Central Boiler and Turbine Institute im. I. I. Polzunov, Leningrad  
(Tsentral'nyy kotloturbinnyy Institut)

TITLE: Experimental investigation of the effect of the wall temperature  
on the axial temperature of an electric arc

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 10, no. 5, 1966, 626-627

TOPIC TAGS: electric arc, thermodynamic analysis

ABSTRACT: In all experiments, the axial temperature of the arc was measured with respect to the intensity of the cyanogen band with a forbidden rotational structure. In the spectrum of the ordinary carbon arc, burning in air, the following band systems are obtained: violet (4216-4197-4181, 3883-3872-3862, 3590-3586-3584) and red (9168). The subject of the investigation was air, and the electrodes were carbon with a diameter of 6 mm. All the experiments were done with 10 amp direct current. To eliminate the effect of heat transfer between the arc and the electrodes on the axial temperature, the distance between the electrodes was taken sufficiently large (approximately 60-80 mm).

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UDC: 533.9

L 13006-66

ACC NR: AP6014991

The arc spectra were obtained in a Type ISP-28 spectrograph. The degree of cooling of the outer layers of the arc discharge was determined by the experimental conditions. Three variants of the experiment were carried out; a "free" arc; an arc in a water cooled copper cylinder; and an arc in a quartz tube. The inside diameter of the copper and quartz tubes was 20 mm. Results of the experiments are plotted in a figure. Results show that the axial temperature of an arc stabilized by a water cooled copper tube is somewhat higher than the temperature of a free arc. Use of the quartz tube (which heated up to about 1600°K) lowers the axial temperature of the arc. The direction of the effect of the temperatures of the cold and hot walls may be explained by the fact that, with special cooling of the arc, the radius of the arc column decreases and, at the same current strength, the temperature at the axis should increase. Orig. art. has: 1 figure.

SUB CODE: 20/ SUBM DATE: 23Nov65/ ORIG REF: 002/ OTH REF: 002

Card 2/2 *pl*

KRYZHAVO, I.; KOLACHENKO, I.

Technical progress dictates. Prof.-tekh.obr. 22 no.5:1-7 My '65.  
(MIRA 18:5)

1. Donetskij nauchno-issledovatel'skiy ucheb'nyy institut.

SMAGLIN, Georgiy Savel'yevich; SHCHENKOV, V.V., inzh.,  
retsenzent; ~~KRYZUKO, I.S.~~, inzh., retsenzent;  
CHERNOBROV, S.M., red.

[Electrolytic production of magnesium] Elektrolitiches-  
skoe proizvodstvo magniia. Moskva, Metallurgiya, 1965.  
150 p. (MIRA 18:7)

RUBINSKIY, Yu.M., dotsent, kand.ekonom.nauk; VOROB'YEVA, A.I., starshiy nauchnyy sotrudnik; PROKOPENKO, M.D., starshiy nauchnyy sotrudnik; DULIN, G.V., starshiy nauchnyy sotrudnik; KRYZHKO, I.D., starshiy nauchnyy sotrudnik. Prinimali uchastiye: KACHKO, Yu.Ya., mladshiy nauchnyy sotrudnik; FILIMONOVA, V.F., mladshiy nauchnyy sotrudnik; YAKIMENKO, G.S., mladshiy nauchnyy sotrudnik; VEREMEY, Ye.M., starshiy prepodavatel'; SLUNITSYN, D.I., student. MIROSHNICHENKO, V.D., red.isd-va; KOROVENKOVA, Z.A., tekhn.red.

[Time study research in coal mines] Khronometrazhnye issledovaniia na ugol'nykh shakhtakh. Moskva, Ugletekhizdat, 1959. 278 p.

(MIRA 13:9)

1. Dnepropetrovsk. Dnepropetrovskiy gornyy institut. 2. Dnepropetrovskiy gornyy institut (for Rubinskiy, Kachko, Filimonova, Veremey). 3. Donetskii nauchno-issledovatel'skiy ugol'nyy institut (for Vorob'yeva, Prokopenko, Dulin, Kryzhko, Yakimenko).
4. 5-y kurs gorno-ekonomicheskoy spetsial'nosti Dnepropetrovskogo gornogo instituta im. Artema (for Slunitsyn).

(Time study) (Coal mines and mining--Production standards)

KRYZHKO, I.; PROKOPENKO, M.

Practice in using auxiliary workers norms in Donets Basin coal  
mines. Biul.nauch.inform.: trud i zar.plata 3 no.5:19-21 '60.  
(MIRA 13,8)  
(Donets Basin--Coal mines and mining--Labor productivity)

PROKOPENKO, N.; KRYZHKO, I.; GOLUBOV, N.

Chronometric groups attached to departments of labor organization.  
Sots.trud 5 no.8:118-120 Ag '60. (MIRA 13:11)

1. Nachal'nik sektora tekhnicheskogo normirovaniya i zarabotnoy platy Donetskogo nauchno-issledovatel'skogo ugol'nogo instituta (for Prokopenko). 2. Rukovoditel' gruppy sektora tekhnicheskogo normirovaniya i zarabotnoy platy Donetskogo nauchno-issledovatel'skogo ugol'nogo instituta (for Kryzhko). 3. Nachal'nik khronometrashnogo byuro tresta "Sverdlovugol'" kombinata "Donbassantratsit" (for Golubov).

(Sverdlovsk Province--Coal mines and mining)

RUBINSKIY, Yu.M., dotsent; VOROB'YEVA, A.I., starshiy nauchnyy sotrudnik;  
KRYZHKO, I.D., starshiy nauchnyy sotrudnik

Planning production processes in technical standardization  
of mining operations. Izv. vys. ucheb. zav.; gor. zhur. no.5:  
59-66 '61. (MIRA 16:7)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy  
institut imeni Artema (for Rubinskiy). 2. Donetskyy nauchno-  
issledovatel'skiy ugol'nyy institut (for Vorob'yeva, Kryzhko).  
Rekomendovana kafedroy organizatsii ekonomiki i planirovaniya  
gornoy promyshlennosti Dnepropetrovskogo gornogo instituta.  
(Mining engineering—Production standards)



KRYZHKO, I.D., inzh.

Operations of the combined around-the-clock brigade in the  
"Proletarskaya-Glubokaya" mine. Ugol'.prom. no.4:6-8 J1-Ag '62.  
(MIRA 15:8)

1. Donetskii nauchno-issledovatel'skiy ugol'nyy institut.  
(Donets Basin--Coal mines and mining--Labor productivity)

PROKOPENKO, N.; KRYZHKO, I.

Unifying and consolidating comprehensive norms for mining. Sots.  
trud 7 no.3:90-96 Mr '62. (MIRA 15:3)  
(Donets Basin--Coal mines and mining--Production standards)

KLETKIN, A.; KRYZHKO, I.

Practice in organising twenty-four hour shift mixed brigades in  
Donets Basin mines. Sots. trud 7 no.12:110-113 B '62. (MIRA 16:2)

1. Donetskii sovet narodnogo khozyaystva.  
(Donets Basin--Coal mines and mining)

PROKOPENKO, N.D.; DENISENKO, A.M.; MIKHAL'SKIY, S.Z.; KRYZHKO, I.D.;  
KACHKO, Yu.Ya.; VYGOLKO, F.Ye.

Unification and strengthening of integrated mining norms in  
development mining operations. Sbor. DonUGI no.28:181-208 '62.  
(MIRA 16:8)

(Coal mines and mining—Management)

KRYZHKO, I.D.

Mixed brigades working round-the-clock in coal mines. Sbor.  
DonUGI no.28:160-180 '62. (MIRA 16:8)  
(Coal mines and mining--Management)

PROKULENKO, M.D., inzh.; KRYZHNKO, I.D., inzh.

Calculation and control of the carrying out of mining standards  
in the coal industry. Sbor. DonUGI no.32:230-235 '63.

Simplified method of processing the results of time study obser-  
vations. Ibid.:235-246

(MIRA 17:10)

IVANOV, Aleksandr Ivanovich; KRIVORUCHENKO, Vladimir Vladimirovich;  
IL'ICHEV, Vasilii Andreyevich; KRYZHKO, I.S., retsenzent;  
NECHAYEV, V.M., retsenzent; IRTEGOV, N.N., retsenzent;  
TAYTS, A.Yu., red.; ARKHANGEL'SKAYA, M.S., red. izd-va;  
DOBUZHINSKAYA, L.V., tekhn.red.

[Electrolytic production of magnesium] Proizvodstvo magniia elektrolizom. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po cherno i tsvetnoi metallurgii, 1962. 254 p.

(MIRA 15:2)

(Magnesium--Electrometallurgy)

15(5)

SOV/64-59-5-5/28

AUTHORS:

Nikolayeva, T. N., Candidate of Chemical Sciences, Kryzhko, Ye. P.

TITLE:

Properties of Carbon Fluoride Lubricants and Separating Liquids

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 5, pp 388-390 (USSR)

ABSTRACT:

Lubricants (L) prepared on the basis of the low-molecular liquid polymer trifluorochloro ethylene (TCE) proved to be particularly suitable for lubricants contacting strongly oxidizing or corrosive substances. The synthesis of similar lubricants is based on a fluorination of petroleum products or a fluorination of substances such as (TCE), whereby the process may take place in the gas- or liquid phase. Lubricants of different consistency may be obtained by different methods. Several data on the properties and chemical resistance of domestic carbon fluoride lubricants are given. The various physical properties were determined according to GOST (Ref 13). The data of some lubricants and separating liquids (Table 1 for 11 substances) show that the lubricants have a high specific weight (1.86 - 2.05), a high melting point (158 - 200°), and the separating liquids have a high boiling point. Viscosity change of the lubricants and separating liquids with temperature has a

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Properties of Carbon Fluoride Lubricants and  
Separating Liquids

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negative effect (Figs 1-3). Investigations of the lubricants "4-f" and "3-f" on a friction testing apparatus under high stresses proved that these lubricants are better than the ordinary ones. Investigations made with the help of some corrosive substances (Table 2) as well as investigations of the solubility of the lubricants and separating liquids (Table 3) showed that they are corroded by ammonia and amines. In a 28% ammonia solution the liquid lubricants and separating liquids as well as the lubricants of higher consistency dissolved (3-f, 3-OK, 10-OK, the winter lubricant Nr 8, et al.), thus losing their lubricity and being carbonized. At present, lubricants of the types 3-f, 4-f, and 3-OK, the summer lubricant Nr 5 and the winter lubricant Nr 8 are used for the lubrication of screw connections, taps, and valves. The lubricant 10-OK is suitable for lubricating pumps which pump corrosive liquids. The separating liquids are employed for the lubrication of pressure gauges and other devices coming into contact with corrosive gases. There are 3 figures, 3 tables, and 13 references, 2 of which are Soviet.

Card 2/2

KRYZHNAVA, V.F.

Translation from: Referativnyi Zhurnal, Khimiya, 1979, Nr 16, p 136 (USSR)

SOV/81-77-16-56-220

**AUTHORS:** Belokhrinnitskaya, Ye.Ye., Boudarova, V.V., Vitushkina, I.N., Gerasimova, M.S., Ginzburg, V.L., Gramenitskiy, I.N., Livshits, D.M., Kryzhnaya, V.F.

**TITLE:** The Spectral Analysis of Cobalt for Metallic Impurities with the Use of Cast Electrodes

**PERIODICAL:** V ob.: Materialy 1-go Ural'skogo soveshchaniya po spektroskopii, 1976, Izdovsk, Metallurgizdat, 1976, pp 59-61

**ABSTRACT:** The samples are cast into chill molds in the form of rods of 7 mm in diameter and 40 mm long. The ends of the rods are filed to a plane and treated by a HCl solution (1 : 1) for cleaning from Fe. The spectra are excited in an a-c arc with an upper carbon electrode and photographed with an average quartz spectrograph. The standards are prepared on the basis of pure cobalt, in which the concentration of admixtures is determined chemically. Ni, Fe, Si, Mn, Al, Cu, As and Sb can be determined with a mean error of 5 - 15%.

Card 1/1

G. Kibicev.

1. L. KRYZHNIYA
2. USSR (600)
4. Agriculture - Experimentation
7. Work of the House of Farm Crops on the Stalin Collective Farm. Sots. zhiv.  
14, no. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

KRYZHNIY, V.

A trade-union organizer began to work. Sov. profsoiuzy 18 no.13:13-15  
Jl '62. (MIRA 15:6)

1. Profsoyuznyy organizator Krasnodarskogo krayevogo komiteta  
profsoyuza rabochikh i sluzhashchikh sel'skogo khozaystva i zagotovok  
pri Yeyskom territorial'nom proizvodstvennom 16-17 kolkhozno-  
sovkhoznom upravlenii.

(Krasnodarsk Territory—State farms) (Trade unions)

KRYZHOV, L. (Sverdlovsk)

Economic efficiency of applied research and ways to increase it.  
Vop. ekon. no.6:151-155 Je '63. (MIRA 16:6)  
(Research, Industrial)

KRYZHOV, L.V., kand.ekonom.nauk

Determining the production costs for complex iron ores. Gor. zhur.  
no.5:11-15 My '63. (MIRA 16:5)

1. Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo  
instituta mekhanicheskoy obrabotki poleznykh iskopayemykh, Sverdlovsk.  
(Iron ores) (Ore dressing--Costs)

SMIRNOV, B.M.; FADDEYEV, B.V.; KRYZHOV, L.V.

Magnetite ores in Kustanay Province. Gor.zhur. no.3:78-79 Mr '60.  
(MIRA 14:5)

1. Ural'skiy filial AN SSSR  
(Kustanay Province—Magnetite)

KRYZHOV, L.V. (Sverdlovsk)

Determining the economic effectiveness of capital investments  
in mining enterprises. Gorn.shur. no.10:3-6 O '60. (MIRA 13:9)

1. Machal'nik smetno-ekonomicheskogo otdela instituta  
Uralgiproruda.

(Mining industry and finance)



KRIZHOV, L.V., kand.ekon.nauk; GROSSMAN, Ya.D., gornyy inzh.; KOZAKOV, Ye.M., gornyy inzh.; LOBANOV, N.Ya., gornyy inzh.

Increase the economic efficiency of crushing iron ores underground. Gor. zhur. no.9:17-19 S '62. (MIRA 15:9)

1. Ural'skiy gosudarstvennyy institut po proyektirovaniyu razrabotki rudnykh mestorozhdeniy, Sverdlovsk.  
(Iron mines and mining) (Ore dressing)

KRYZHOV, L.V., kand. ekon. nauk

Errors in technical and economic calculations to determine  
the optimal depth of dressing iron ores. Gor. zhur. no.8:  
63-66 Ag '64. (MIRA 17:10)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut  
obogashcheniya i mekhanicheskoy obrabotki poleznykh iskopayemykh,  
Sverdlovsk.

KFYZWICKI, C.

Studies on the influence of exposure of the sun on the temperature of walls constructed in the wintertime, p. 90a-90b (PRZEGLAD BUDOWLANY, Warszawa, Vol. 27, no. 3, Mar. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jan. 1955, Uncl.

KRZACZEK, Tadeusz

New stations of rare plants in the Lublin area. Pt.2. *Fragm florist* 7 no.2:299-304 '61.

1. Institutum Botanicae Systematicae et Geographiae Plantarum  
Universitatis Mariae Curie-Sklodowska, Lublin.

KRZACZYNSKI, Jerzy

17 "Normal Blood Platelets of the Lewised Black-White  
Breed Group," Miodyslaw STANKIEWICZ, Włodzisław MALINOW-  
SKI, and Jerzy KRZACZYNSKI of the Small-animal Disease  
Department, Faculty of Veterinary Science of SGGW at Warsaw  
(Director: Docent Dr. W. STANKIEWICZ); pp 238-240.

Medycyna Weterynaryjna, Vol. 18, No. 4, Apr. 1962.

B  
KRZACZYNSKI, M.

Closing discussion on the report La-1 . p.34

IAS POLSKI. (Ministerstwo Lasnictwa oraz Stowarzyszenie Naukowo-Techniczne  
Inzynierow i Technikow Lasnictwa i Drzewnictwa) Warszawa, Poland  
Vol.29, no.3, Mar. 1955

Monthly list of Easf European Accessions (EEAI) LC, Vol.9, No.2, Feb.1960

Uncl.

KRZACZYNSKI, W.

We will increase the quantity of straw in litters on the farm. p. 20. (PLON. Vol. 4, no. 11, Nov. 1953)

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954

~~KRZACZYNSKI, WLADYSLAW~~

"Mechaniczne dojenie krow. Warszawa, Panstwowe Wydawn. Rolnicze i Lesne,  
1954, 96 p. (Mechanical milking of cows)."

DA

Not in DLC

SO: Monthly Index of East European Accessions (ELAI) LC. Vol. 7, no. 4,  
April 1958



KRZAKALA, Jozef, mgr

Economic effectiveness of capital investments realized  
with the help of other countries. Rudy i metale 9 no.6:  
302-306 Je '64.

MPHATHIĆ, IJ.; ERČANIC, Ljiljana; ŠVETKEYĆ, D.

Effect of electrical stimulation of various cerebral regions and the influence of intravenous adrenalin injections on the lactic acid content in the rat brain. Glas. Jsrpske akadem. nauk [Med.] 17 no.257:95-110 '64.

GIETKA, Jan; KRZAKOWSKI, Zenon

Clinical and therapeutic aspects of Weber-Christian syndrome.

Pol. tyg.lek. 19 no.6:216-219 3 P'64

1. Z Katedry i Kliniki Chorob Wewnętrznych 2 Centralnego  
Szpitala Klinicznego WAM w Warszawie; kierownik: prof.dr.  
med. S.Bober.

\*

GIECFA, Jan; KRZAKOWSKI, Zenon

Hip joint changes consecutive to the treatment of chronic progressive rheumatism with adrenal cortex hormones. Reumatologia (Warsz.) 2 no.3:243-249 '64.

1. Z Katedry i Kliniki Chorob Wewnętrznych, 2 Centr. Szpit. Klin. Wojakowa Akademia Medyczna w Warszawie (Kierownik: prof. dr med. S. Bober).

GLETKA, Jan; KRZAKOWSKI, Zenon

Acute articular rheumatism in adults following tonsillitis.  
Polski tygod. lek. 16 no.52:2015-2019 25 D '61.

1. Z Oddziału Chorob Wewnętrznych 2 Centralnego Szpitala Klinicznego  
WAM w Warszawie; kierownik naukowy: prof. dr med. St.Bober.  
(TONSILLITIS compl) (RHEUMATIC FEVER etiol)

BATA, A.; KRZALIC, Ljiljana

Chromatographic determination of the amino acid concentration in the blood serum after intravenous administration in dogs. Glas. srpske akad. nauk.[Med] no.15:9-17 '60.

(AMINO ACIDS blood)

S

MIHAILOVIC, Lj.; KRZALIC, Lj.

Changes in glutamic acid, glutamine, and  $\gamma$ -aminobutyric acid concentrations during postnatal maturation of the cat brain.  
Acta med. Jugosl. 18 no.2:150-156 '64

1. Institute of Pathological Physiology, Faculty of Medicine,  
University of Belgrade, Belgrade.

- Polymers, Acta Veterinaria, Vol 11, No 8, 1961
1. Polymers, Acta Veterinaria, Vol 11, No 8, 1961
  2. Polymers, Acta Veterinaria, Vol 11, No 8, 1961
  3. Polymers, Acta Veterinaria, Vol 11, No 8, 1961
  4. Polymers, Acta Veterinaria, Vol 11, No 8, 1961
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  11. Polymers, Acta Veterinaria, Vol 11, No 8, 1961
  12. Polymers, Acta Veterinaria, Vol 11, No 8, 1961
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  15. Polymers, Acta Veterinaria, Vol 11, No 8, 1961
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  26. Polymers, Acta Veterinaria, Vol 11, No 8, 1961
  27. Polymers, Acta Veterinaria, Vol 11, No 8, 1961
  28. Polymers, Acta Veterinaria, Vol 11, No 8, 1961
  29. Polymers, Acta Veterinaria, Vol 11, No 8, 1961
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CIA-RDP86-00513R000826920013-0"

ERZANOWSKA, K.

"Research on the Activity of Mixed Cock Semen." p. 169 (FOLEA BIOLOGICA.  
Vol. 2, No. 3/4, 1954; Warszawa, Poland.)

So: Monthly List of East European Accessions, (JAL), 10, Vol. 4, No. 4,  
April 1955, Uncl..

KRZANOWSKA, Halina

Principal blood vessels of the brain in *Silurus glanis* L. Vol.  
morph., Warsz. 5 no.4:257-272 1954.

1. Z Zakladu Anatomii Porownawczej Uniwersytetu Jagiellonskiego.  
Kierownik: prof. dr Z.Grodzinski.

(FISH,

*Silurus glanis*, cerebral blood supply)

(BRAIN, blood supply,

in *Silurus glanis*)

KRZANOWSKA, H.

Studies on heterosis. I. Embryonal mortality. p. 297. FOLIA  
BIOLOGICA. Warszawa. Vol. 3, no. 4, 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

POLAND/Farm Animals. Poultry. Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78798.

Author : Krzanowska, Halina.

Inst :

Title : Seasonal Changes of Quality of Sperm of Roosters.

Orig Pub: Roczn. nauk rolniczych, 1956, B70, No 3, 310-315.

Abstract: Tests were carried out from October 1953 to December 1954 on 10 roosters isolated from hens, from which the sperm was obtained by means of massage. The volume of sperm, concentration of spermatozoa and rate of decoloring were measured by methylene blue. Maximal production of spermatozoa were observed in the end of June. Curves of body weight of the roosters, percentage of Hb

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POLAND/Farm Animals. Poultry. Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78798.

and quantity of sperm increased from the fall of 1953 parallel with the growing length of the day, but from June the curve of quantity of sperm decreased; the curve of rate of decoloring by methylene blue, which serves as an indicator of the fertilizing capacity of the spermatozoa, clearly rose anew in September. The appearance of two maxima of activity of spermatozoa - in spring and autumn - is analogous to the processes of the sexual cycle in wild fowl. A high percentage of fertilizations in spring, as does also their decrease in summer and rise in September, depends in great degree on the roosters. -- V. V. Polovtsova.

Card : 2/2

POLAND/Farm Animals. Poultry. Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78797.

Author : Krzanowska, Halina.

Inst :

Title : Influence of Vitamin D<sub>12</sub> upon the Quality of  
Cock Semen.

Orig Pub: Roczn. nauk rolniczych, 1956, D70, No 3, 317-332.

Abstract: Ten roosters of a control group obtained a full-value ration which contained animal fodder; 14 weaker roosters were kept on a ration without animal fodder. In April, 5 roosters from this group began to receive vitamin D<sub>12</sub> parenterally; 4 roosters served as control. Vitamin D<sub>12</sub> (weakly introduction) had no influence on the

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POLAND/Farm Animals. Poultry. Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78797.

production of sperm, although the viability of the spermatozoa and their ability to fertilize increased somewhat in comparison with the control. Body weight in the test group decreased in summer to a lesser degree than in the control. --  
V. V. Polovtsova.

Card : 2/2

KRZANOWSKA, Halina.

The effect of reciprocal blood injections on fertility in two lines  
of mine. Folia biol 7 no.2:167-176 '59. (EEAI 9:11)

1. Department of Experimental Biology, Institute of Zootechniques,  
Pulawy. Director: Prof. Dr. Laura Kaufman.

(HETEROSIS)

(FECUNDITY)

(BLOOD)



KRZANOWSKA, Halina

Studies on heterosis. II. Fertilization rate in inbred lines of mice and their crosses. Folia biol 8 no.3:269-279 '60. (EEAI 10:6)

1. Department of Experimental Biology, Institute of Zootechniques, Pulawy. Head: Laura Kaufman, Ph.D.  
(HETEROSIS)

KRZANOWSKI, Adam (Pulawy)

Bracken Cave: 20 million bats. Wszechwiat no.10:253-256 0  
'62.

POL/42-59-3-6/10

18(5),25(5)

AUTHOR:

Krzanowski, A., and Stegenda, B., Engineers

TITLE:

Tool Steel (Stale narzedowe)

PERIODICAL:

Wiadomosci hutnicze, 1959, Nr 3, pp 95-98 (Poland)

ABSTRACT:

The Polish metallurgical industry produces the following grades of tool steels, falling into four divisions according to their chemical compound: 1) tool carbon steels; 2) tool alloy steels, for cold working; 3) tool alloy steels for hot working; 4) quick cutting steels. In the forging of tool steels, and important part is played by the following factors: a) the speed of heating and cooling; b) initial forging temperature; c) finishing temperature of forging. The best method, assuring good results in the forging of large objects, is the method of slow heating. The bigger the object, the longer the time of heating. The initial temperature of forging has to be lower, the greater the amount of carbon in the steel. Overheating at high temperatures must be avoided, and therefore, special instruments for the measurement of

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Tool Steel

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temperatures are required. In order to obtain a high grade steel structure after forging, the forging must be finished at the lowest possible temperature. If the forging of tool steel is finished at too high a temperature, the coarse structure of the steel can be refined by annealing. For this purpose, the steel objects are slowly heated in the annealing furnace at a temperature of 830-850°C, and cooled in the open air. The heating of objects for quenching, must be carried out very slowly. A method of heating in two furnaces is applied too. In the first the tools are heated to 250-700°C, and in the second furnace they are exposed quickly to the hardening temperature. The most suitable hardening temperature is the one at which the tools receive the greatest possible hardness. There are many methods of quenching: water, oil, combined water/oil, quenching in the air, in salts and in water with an addition of salts. The tempering of hardened steel consists in reheating the metal after hardening to a temperature below the critical ranges, and cooling it in any manner desired. The hard-


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✓

Tool Steel

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ening temperature, given in the norms, is only for information. In practice hardening "by color" is often applied. It is based on the creation of steel oxides on the pure metallic surface of steel, at a temperature of 200-330°C.



Card 3/3

18(7), 25(1)

POL/43-59-4-3/23

AUTHORS: Krzanowski, Andrzej, and Stegenta, Boleslaw, Engineers

TITLE: Carbon and Alloy Tool-Steels

PERIODICAL: Wiadomosci Hutnicze, 1959, Nr 4, pp 114-117 (Poland)

ABSTRACT: The article describes the characteristics of carbonated and casting tool-steels for cold and hot working. The carbonated tool-steels have most simple chemical structures. For high-quality tools, steel containing an appropriate amount of carbonate, sulphur and manganese is used. For tools that have to be ductile to a certain degree, steel Standards N6E and N86 are taken; for wear-resisting tools the carbonated, plain tempered steel of the Standards N9E, N11E, N12E and N13E are used. The tempering capacity of the tool-steel is tested by samples in the size of 25 x 25 mm, by heat treatment at temperatures of 760°, 800°, 840° and 880°C. (Table 1). Tool-steels for casting are ✓


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Carbon and Alloy Tool-Steels

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classified into (1) steels for cold working (NC10, NC11, NC6, NWC, NCWV) and (2) steels for warm working. The main components of tool-steels for casting are chromium, tungsten, molybdenum and vanadium. Table 2 shows the most frequent defects of tools occurring during heat treatment. There are 2 tables.

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POL/43-59-5-5/28

18(5.7)

AUTHOR: Krzanowski, A., and Stegenda, B., Engineers

TITLE: High Speed Steels

PERIODICAL: Wiadomosci Hutnicze, 1959, Nr 5, pp 151-154 (Poland)

ABSTRACT: This article describes in detail the working of high speed steels, their plastic hot and cold transformation, their forging, annealing, hardening and tempering. The main quality of high speed steels is that the cutting tools, manufactured out of them, keep their hardness to a temperature of 600°C, maintaining an edge, even though red hot. Hence, they are called "high speed" or "quick cutting" steels. The elements employed to develop the properties of high speed steels are: tungsten, chromium, molybdenum vanadium and cobalt. To develop the most desirable properties in the steel, the segregates must be uniformly distributed and well scattered and careful control must be kept of melting and casting practice and subsequent forging and rolling operations. Heating for forging

Card 1/3



High Speed Steels

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should be done slowly and gradually, for if a cold bar is placed in a hot furnace, it is liable to be overstrained by unequalized expansion. After forging and machining, high speed steel should be annealed before it is hardened. The temperature of high speed steels must neutralize the inner tension of the steel structure. It is based on the heating of the hardened steel to a temperature of 560-600°C. (the temperature itself depends on the kind of steel and the form of the tool) and cooled very slowly in calm air. This is to be repeated several times. The hardness, developed by this operation, is known as secondary hardness. Good results have been obtained by tempering in steam, at a temperature of 300-500°C, in 20 minutes. The tools, thus tempered, are twice as sharp and have a better look. On the surface, there is a thin layer of  $Fe_2O_3$ , which gives the tools an esthetic looking blue hue.<sup>4</sup> Due to the bad thermal conductivity of the high speed steels, the cutting of the tools has to be carried out very cautiously, and absolute cleanness of the wheels has to be maintained.

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High Speed Steels

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In order to improve the cutting efficiency of the tools, they have to be treated 20-30 minutes in a sodium-cyanide bath, the temperature of which is lower than the tempering temperature, by 10-20°C. There are 2 graphs and 1 table.



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POL/43-59-7/8-5/32

18(7)

AUTHOR:

Krzanowski Andrzej, Engineer

TITLE:

Materials For Permanent Magnets

PERIODICAL:

Wiadomosci hutnicze 1959, Nr 7/8, pp 218-220 (POLAND)

ABSTRACT:


This article gives a general description of the magnet. The materials are divided into high and low magnetic materials. Drawing 1 shows the magnetic curve of a soft steel and of a quality EW6 permanent magnetic steel, a = soft steel, b = tungsten steel EW6. Martin chrome steel, cobalt and tungsten steel, and magnetic cast steel (without carbon) with 2,3 or more alloys like Al-Ni, Al-Ni-Co, Al-Ni-Cu, Al-Ni-Co-Cu, Al-Ni-Co-Ti, etc. are used for the production of permanent magnets. There follows a description of the steels and permanent magnet produced in Poland as well as a description of the cast Fe-Al-Ni. In Poland, magnetic steels are produced in the smelting works "Baildon". These steels are: EN4 (Chrome), EW6 (cobalt), EN6K6 (chrome-cobalt), EN9K15M (chrome-cobalt-molybdenum). A summary of these qualities is given in standard PN/H-84038. Table 1 shows, in percentage, the chemical composition of

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Materials For Permanent Magnets

the alloy Fe-Al-Ni, used in the manufacture of magnets, dynamic loudspeakers, inductors, measuring magnets, electrical equipment, earphones, etc. The magnetic characteristics of Fe-Al-Ni are given in table 2. This alloy is neither suitable for hot forging nor for machining with cutting tools. It is shaped by casting and finished by grinding. There are 3 graphs and 2 tables.



Card 2/2

KRZANOWSKI, Andrzej, mgr inz.; STECENTA, Boleslaw, mgr inz.

Carbon and alloy tool steels. Wiad hutn 15 no.4:114-117  
Ap '59.

KRZANOWSKI, Andrzej, mgr inż.

Dedusting of smoke coming from electric arc furnaces.  
Wiad hut 19 no. 5: 114-119 My '63.

KRZANOWSKI, Maciej

A case of pneumonia following inspiration of gasoline. Wiad. lek.  
18 no.7:607-610 1 Ap '65

1. Z Oddziału Chorob Wewnętrznych Szpitala Śląskiego w Cieszynie  
(Ordynator: dr. E. Dalski).

KEMULA, Wiktor; KRZEMINSKA, Alicja

Chromatopolarographic investigations. XIV. Separation and quantitative evaluation of isomers of DDT. Chem anal 5 no.4:611-616 '60.  
(EEAI 10:9)

1. Department of Inorganic Chemistry, University, Warszawa.

(Chromatography) (Polarograph and polarography)  
(Trichlorobischlorophenylethane)



KRZEMINSKA, Halina, mgr

Operational costs of the pump station in the Danzig lowland. Gosp  
wodna 25 no.2,63-65 P '65.

1. Institute of Soil Improvement and Grasslands, Warsaw.

KRZECZEWSKA, I.

SCIENCE

Periodicals: CHEMIK. Vol. 11, no. 11, Nov. 1958.

KRZECZEWSKA, I. The problem of exporting Polish technical views. p. 357.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959,  
Unclass.

SALWA, Wladyslaw; KRZECZKOWSKA, Elzbieta

Paranoiac symptoms of the sexual nature in organic cerebral changes. Neurol. neurochir. psychiat. Pol. 14 no. 2:309-314. Mar-Apr '64.

1. Z Panstw. Szpitala dla Nerw. i Psych. Chorych w Krakowie-Kobierzynie (Ordynator: dr med. W.Salwa).

KRZECZKOWSKA, I.; ISKIERKO, J.

Amino acid composition of Moreau's Brazilian BCG strain. Med.  
dosw. mikrob. 9 no.2:185-188 1957.

1. Z Zakładu Chemii Ogólnej Wydziału Lekarskiego A.M. w Lublinie  
Kierownik: prof. dr. I. Krzeczowska.

(MYCOBACTERIUM TUBERCULOSIS BOVIS, metab.

amino acid composition of Moreau's Brazilian BCG strain  
(Pol))

(AMINO ACIDS, metab.

Mycobact. tuberc. bovis, composition of Moreau's  
Brazilian BCG strain (Pol))

EXCERPTA MEDICA Sec 4 Vol 12/2 Mod. Micro. Feb 59

545. THE CONTENT OF AMINO-NITROGEN AND POTASSIUM IONS IN CULTURE FILTRATES OF THE BRAZILIAN MOREAU BCG STRAIN, CULTIVATED IN SAUTON'S SYNTHETIC MEDIUM - Badania nad zawartością azotu aminowego i jonów potasu w przesączach hodowli brazylijskiego szczepu BCG Moreau hodowanego na syntetycznym podłożu Sautona - Krzeczowska-Ka I., Iskierko J. and Szczepaniak S. Zakł. Chem. Ogólnej Wydziału Lek. A. M., Lublin - MED. DOSW. MIKROBIOL. 1957, 9/4 (359-367) Graphs 4 Tables 4

It was found that the mean content of amino-nitrogen was 56 mg. per 100 ml. of the potassium ions - 27.7 mg. per 100 ml. The pH of the cultures, initially about 7.0, reached a level of 8.0 after 8 days incubation (37°) and about 5.0 after 18 days incubation.

Bekierkunst - Jerusalem

KRZECZKOWSKA, Irena; ISKIERKO, Jerzy; SZCZEPANIAK, Stanislaw

Studies on amino nitrogen and potassium ions contents in filtrates of Moreau's Brazilian BCG strains cultured on Sauton's synthetic medium. Med. dozw. mikrob. 9 no.4:359-367 1957.

1. Z Zakladu Chemii Ogolnej Wydzialu Lekarskiego A. M. v Lublinie.  
Kierownik: I. Krzeczowska.

(MYCOBACTERIUM TUBERCULOSIS BOVIC, culture,  
BCG Moreau's strain, amino nitrogen & potassium in  
filtrates of cultures in Sauton's medium (Pol))  
(NITROGEN, determination,  
in BCG, Moreau's strain, cultivated in Sauton's  
medium (Pol))  
(POTASSIUM, determination,  
same)

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**APPROVED FOR RELEASE: 04/03/2001**

**CIA-RDP86-00513R000826920013-0"**

POLAND/Microbiology - Miroorganisms Pathogenic to F-3  
Humans and Animals

Abs Jour: Ref Zhur - Biol., No 18, 1958, 81548

Author : Krzeczkowska, I., Iskierko. J., Szczepaniak, S.

Inst : -

Title : Study of Amino Nitrogen and Potassium Ion  
Content in BCG Filtrates of Brazilian Strain  
Moro, Cultivated on Sautone's Synthetic Medium.

Orig Pub: Med. doswiad. i mikrobiol, 1957, 9, No. 4, 359-367

Abstract: No abstract

Card 1/1



KRZECZKOWSKA, Irena

A new "disk" method of chromatographic condensation and its application. Ann.Univ.Lublin; sec. D 14:87-98 '59.

1. Z Katedry Chemii Ogólnej Wydziału Lekarskiego Akademii Medycznej  
w Lublinie Kierownik: doc dr Irena Krzeczowska  
(CHROMATOGRAPHY)

KRZECZKOWSKA, Irena

The thermal method of developing amino acids. II. Ann.Univ.Lublin;  
sec.D 14:99-107 '59.

1. Z Katedry Chemii Ogólnej Wydziału Lekarskiego Akademii Medycznej  
w Lublinie Kierownik: doc. dr Irena Krzeczowska.  
(AMINO ACIDS chem)

KLIMEK, Janusz; KRZECZKOWSKA, Irena

A simple method of adapting the micropolarograph of Heyrovsky to the optical registration of electrophorograms. Ann. univ. Lublin sec. D 15:117-122 '60.

1. Z Katedry i Zakładu Chemii Ogólnej Wydziału Lekarskiego Medycznej w Lublinie Kierownik: doc. dr Irena Krzeczowska.  
(ELECTROPHORESIS equip & supply)

KRZECKOWSKA, Irena; KLIMEK, Janusz

Investigations on the clinical application of a new method of optical registration of protein fractions in blood serum. Ann. univ. Lublin sec. D 15:129-134 '60.

1. Z Katedry i Zakładu Chemii Ogólnej Wydziału Lekarskiego Akademii Medycznej w Lublinie Kierownik: doc. dr Irena Krzeckowska.  
(BLOOD PROTEINS chem)

KRZECZKOWSKA, Irena; KROL, Halina

Free amino acids in pertussis vaccine. Ann. Univ., Lublin sect.D 16:  
275-278 '61.

1. Z Katedry i Zakladu Chemii Ogolnej Wydzialu Lekarskiego Akademii  
Medycznej w Lublinie Kierownik: doc. dr Irena Krzeczowska.  
(AMINO ACIDS) (PERTUSSIS VACCINE)

KRZECKOWSKA, Irena; WACH, Teresa

Chromatographic studies of free amino acids in Delbet's vaccine.  
Ann. Univ., Lublin sect.D 16:279-283 '61.

1. Z Katedry i Zakładu Chemii Ogólnej Wydziału Lekarskiego Akademii  
Medycznej w Lublinie Kierownik: doc. dr Irena Krzeckowska.  
(AMINO ACIDS) (VACCINES) (STREPTOCOCCUS)  
(STAPHYLOCOCCUS) (PSEUDOMONAS AERUGINOS)

KRZECZKOWSKA, Irena; KLIMEK, Janusz

Studies on clinical application of a new method of optical registration of protein fractions in blood serum (II). Ann. Univ., Lublin sect.D 16:285-290 '61.

1. Z Katedry i Zakladu Chemii Ogolnej Wydzialu Lekarskiego Akademii Medycznej w Lublinie Kierownik: doc. dr Irena Krzeczowska.  
(BLOOD PROTEINS)

ISKIERKO, Jerzy; KRZECZKOWSKA, Irena

Studies on the application of copper phosphate suspension for quantitative determination of d-glucosamine. Ann. Univ., Lublin sect.D 16:291-298 '61.

1. Z Katedry i Zakladu Chemii Ogolnej Wydzialu Lekarskiego Akademii Medycznej w Lublinie Kierownik: doc. dr Irena Krzeczowska.  
(COPPER) (PHOSPHATES) (GLUCOSAMINE)



KRZECZKOWSKA, Irena; MISIUNA, Diwa

A new method of identifying some amino acids partitioned by paper chromatography. Ann. Univ., Lublin sect.D 16:299-305 '61.

1. Z Katedry i Zakladu Chemii Ogolnej Wydzialu Lekarskiego Akademii Medycznej w Lublinie Kierownik: doc. dr Irena Krzeczowska.  
(AMINO ACIDS) (CHROMATOGRAPHY)

KRZECZKOWSKA, Irena; WIDOMSKA-CZEKAJSKA, Teresa

Investigations on the application of partition chromatography for detection of cobalt in weak solutions. Ann. Univ., Lublin sect.D 16:307-321 '61.

1. Z Katedry i Zakładu Chemii Ogólnej Wydziału Lekarskiego Akademii Medycznej w Lublinie Kierownik: doc. dr Irena Krzeczowska.  
(COBALT) (CHROMATOGRAPHY)

KRZECZKOWSKA, Irena; NIEZOODA, Tadeusz

Investigations on carbohydrate metabolism in liquid culture of the tetanus bacillus. I. Ann. Univ., Lublin sect.D 16:323-339 '61.

1. Z Katedry i Zakładu Chemii Ogólnej Wydziału Lekarskiego Akademii Medycznej w Lublinie Kierownik: doc. dr Irena Krzeczowska.  
(CARBOHYDRATES) (CLOSTRIDIUM TETANI)

KRZECZKOWSKA, Irena

Thermal method of detecting sugars (I). Ann. Univ., Lublin sect.D  
16:341-346 '61.

1. Z Katedry i Zakladu Chemii Ogolnej Wydzialu Lekarskiego Akademii  
Medycznej w Lublinie Kierownik: doc. dr Irena Krzeczowska.  
(CARBOHYDRATES) (CHROMATOGRAPHY)

KRZECZKOWSKA, Irena

Thermal method of detecting carbohydrates. Part 2. Ann.  
Univ. Lublin sect. D 19 :343-347 ' 64.

Investigation of the changes of amino acid compositions during  
growing Mycob. BCG of French strain (No. Muz. 848). Ibid.:  
509-518

1. Katedra i Zaklad Chemii Ogolnej, Wydzial Lekarski, AM w  
Lublinie (Kierownik: doc. dr. Irena Krzeczowska).

KRZECZKOWSKA, Irena; BURZYNSKI, Stanislaw; CZERNIAK, Zbigniew

Free amino acids of some edible mushrooms. Ann. Univ. Lublin  
sect. D 19:321-328 '64.

Bound amino acids of some edible mushrooms. Ibid.:329-336

1. Katedra i Zaklad Chemii Ogolnej, Wydzial Lekarski AM w  
Lublinie (Kierownik: doc. dr. Irena Krzeczowska).

KRZESKOWSKA, Irena; PACIORKOWSKA, Alina; COWULAK, Jerzy

Free amino acids in the organs of slaughtered animals. Ann.  
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1. Katedra i Zaklad Chemii Ogolnej, Wydzial Lekarski,  
AM w Lublinie (Kierownik: doc. dr. Irena Krzeskowska).

KRZECZKOWSKA, Lucja, mgr.

Contributions to the knowledge of plankton in fish lakes. Acta hydro-  
biol 3 no.2/3:69-89 '61.

1. Zaklad Biologii Wod, Polska Akademia Nauk, Krakow, ul. Slawkowska  
17.



KRZECZKOWSKA, Lucja, mgr

Characteristics of the plankton in fishponds of Kielce  
Voivodeship. Acta hydrobiol 5 no.2/3:189-213 '63.

1. Zakład Biologii Wod, Polska Akademia Nauk, Krakow,  
Slawkowska 17.

BOMBOWNA, Maria, dr; KLIMCZYK, Maria, mgr; KRZECZKOWSKA, Lucja, mgr

Chemical factors, phyto- and zooplankton of differently fertilized growing ponds. Acta hydrobiol 4 no.3/4:345-384 '62.

1. Zaklad Biologii Wod, Polska Akademia Nauk, Krakow.

KRZECZKOWSKA-WOLOSZYN, Lucja

Rare species of algae in the plankton of fish-breeding ponds.  
Acta hydrobiol 6 no.4:313-315 '64.

1. Institute of Hydrobiology, of the Polish Academy of Sciences,  
Krakow.

GAWRONSKI, J.; KARCH, Z.; LANG, I.; NIECKI, Fr.; KRZKOTOWSKI, L.

Grinding drawn sheet glass in the Kunice Glassworks. Szkło  
13 no.4:97-107 Ap '62.